

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

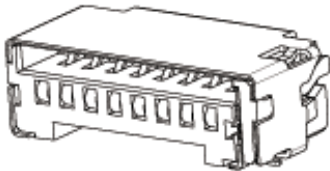
Part Number: [0473092651](#)
Status: **Active**
Description: 1.10mm (.043") Pitch microSD Card Header with Detect Switch, Height 2.65mm (.104"), Lead Free

Documents:
[3D Model](#) [Product Specification PS-47309-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Memory Card Sockets
Series	47309
Button Type	Push-Pull
Comments	Push-Pull Type
Component Type	I/O Header (Card)
Product Name	microSD Card, TransFlash
Type	N/A
Physical	
Card Detection Switch	Yes
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	90° Angle
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Mounting Side	Reverse
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.043 In
Pitch - Mating Interface (mm)	1.10 mm
Pitch - Term. Interface (in)	0.043 In
Pitch - Term. Interface (mm)	1.10 mm
Plating min: Mating (µin)	29.5
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Ports	1
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	5V

Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2



Series
image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[47309Series](#)

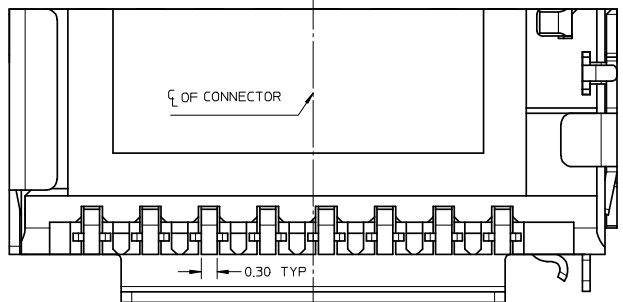
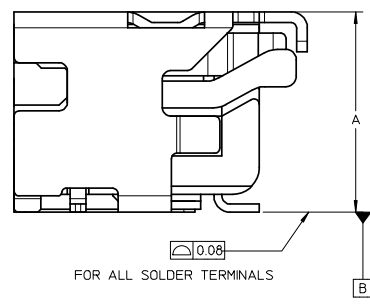
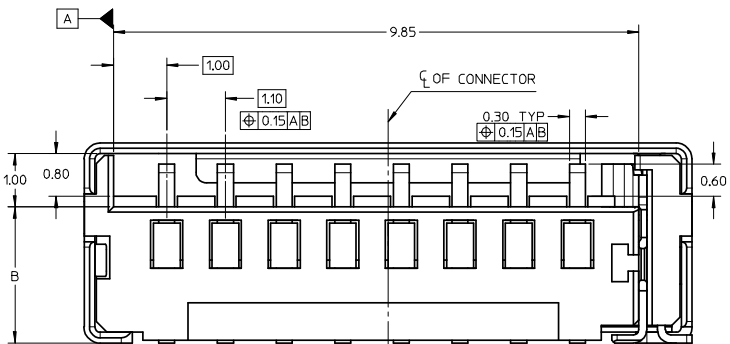
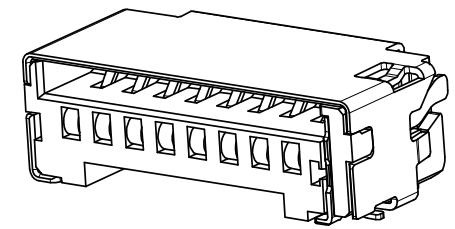
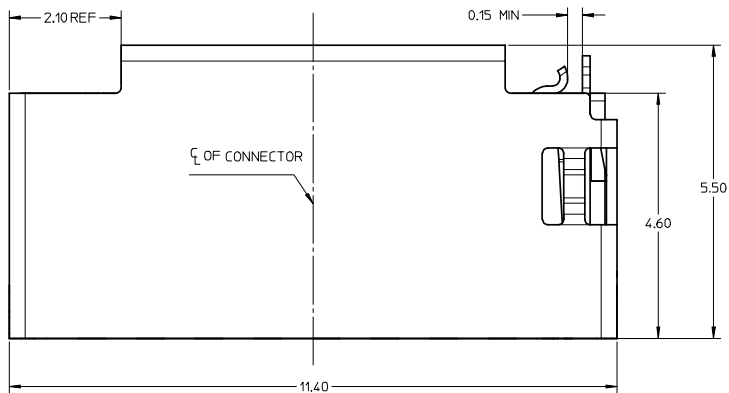
Mates With
Standard SIM Card

Use With
microSD Card

Process Temperature max. C	255
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-47309-001
Sales Drawing	SD-47309-001

This document was generated on 03/31/2010

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NOTE:

1 MATERIAL:

1-1 HOUSING : LCP, 30% G/F, UL 94V-0, BLACK

1-2 SIGNAL TERMINAL AND DETECT TERMINAL : PHOSPHOR BRONZE

1-3 METAL SHELL : STAINLESS STEEL

2 FINISH:

2-1 SIGNAL TERMINAL : 1.25-6.25 MICRON NICKEL MIN UNDER-PLATED,
0.75-1.25 MICRON GOLD MIN ON CONTACT AREA, GOLD FLASH PLATED ON SOLDER AREA

2-2 METAL SHELL : GOLD FLASH PLATED OVER NICKEL ON SOLDER AREA

2-3 DETECT PIN : 1.25-6.25 MICRON NICKEL MIN UNDER-PLATED
GOLD FLASH PLATED ON CONTACT AREA, TIN PLATED ON SOLDER AREA

3 PRODUCT SPECIFICATION: PS-47309-001.

473093751	3.75	2.55
473093551	3.55	2.35
473093351	3.35	2.15
473092851	2.85	1.65
473092651	2.65	1.45
PART NUMBER	DIMENSION A	DIMENSION B

REVISION	EC NO. : SH200806090399	2008/02/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	DRWN: LLIU10	2008/03/11			mm INCH		MM ONLY		15:1	METRIC	◎ □		
	CHKD: YLZH02	2008/04/02			4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE						
	APPR: HWANG				3 PLACES ± --- ± ---	XIXU 2005/12/24							
					2 PLACES ± 0.15 ± ---	CHECKED BY DATE	TFR HEADER W/DETECT PIN						
					1 PLACE ± 0.25 ± ---	Y JWU 2005/12/24							
					ANGULAR ± 1 °		APPROVED BY DATE	MOLEX MOLEX INCORPORATED					
							Y JWU 2005/12/24						
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
								SEE TABLE		SD-47309-001		1 OF 2	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

